



3 (qNMR, CDCl₃, 400 MHz)

Full scale run: 32.9 mg **3** and 31.4 mg 1,3,5-trimethoxybenzene

$$\text{molar ratio} = \frac{I_{\text{cpd}} / nH_{\text{cpd}}}{I_{\text{std}} / nH_{\text{std}}} = \frac{1.00 / 1}{3.53 / 3} = 0.85$$

$$\text{wt\%} = \frac{\text{mg}_{\text{std}} \times \text{MW}_{\text{cpd}} \times \text{molar ratio} \times P_{\text{std}}}{\text{mg}_{\text{cpd}} \times \text{MW}_{\text{std}}} = \frac{31.4 \times 193.25 \times 0.85 \times 0.99}{32.9 \times 168.19} = 92\%$$

